

**Notice of Allowability**

Application No.

10/021,232

Applicant(s)

PRADHAN ET AL.

Examiner

MINH D DAO

Art Unit

2682

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to \_\_\_\_.
2. ☒ The allowed claim(s) is/are 1-21.
3. ☒ The drawings filed on 30 October 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_.

### REASONS FOR ALLOWANCE

1. Claims 1-21 are allowed.
2. The following is an examiner's statement of reasons for allowance:

Regarding claim 1, the closest prior arts of record are: Reference Fujita (US 5,930,726) teaches positioning radio access points in a building to provide better coverage for mobiles located in the building. Reference Hills (US 6,505,045) teaches a method for configuring access points of a network providing wireless communications coverage for an environment. These cited references, alone or in combination, fails to teach a method for establishing a physical location of a first access point which provides information corresponding to an object, comprising: determining when a first mobile communications device is within range of a second access point having a known physical location; determining when the first mobile communications device is within range of the first access point; transmitting data to the first access point, wherein the data includes the physical location of the second access point; determining the physical location of the first access point based on the data from the first mobile communications device.

Regarding claim 8, the closest prior arts of record are: Reference Fujita (US 5,930,726) teaches positioning radio access points in a building to provide better

coverage for mobiles located in the building. Reference Hills (US 6,505,045) teaches a method for configuring access points of a network providing wireless communications coverage for an environment. These cited references, alone or in combination, fails to teach a method for establishing a physical location of a first access point, comprising: storing location information corresponding to a plurality of access points by a service; determining when an individual passes by a first access point, wherein the first access point has a known location stored by the service; determining when the individual passes by a second access point; calculating a location corresponding to the second access point based on the location of the first access point.

Regarding claim 14, the closest prior arts of record are: Reference Fujita (US 5,930,726) teaches positioning radio access points in a building to provide better coverage for mobiles located in the building. Reference Hills (US 6,505,045) teaches a method for configuring access points of a network providing wireless communications coverage for an environment. These cited references, alone or in combination, fails to teach a network of information access points, comprising: a plurality of information access points associated with objects or point of references having known physical locations; a mechanism for establishing a physical location of a particular information access point by collecting information from a plurality of electronically connected individuals, wherein the physical location is refined over time as the electronically connected individuals move

between the plurality of information access points having known physical locations.

Regarding claim 18, the closest prior arts of record are: Reference Fujita (US 5,930,726) teaches positioning radio access points in a building to provide better coverage for mobiles located in the building. Reference Hills (US 6,505,045) teaches a method for configuring access points of a network providing wireless communications coverage for an environment. These cited references, alone or in combination, fails to teach a location aware service for automatically establishing a physical location of a particular information access point, comprising: a memory for storing physical locations corresponding to a plurality of information access points; a receiver coupled to the memory which receives data from electronically coupled individuals as they pass by information access points; a processor coupled to the receiver which determines the physical location for the particular information access point based on the data received from the electronically coupled individuals.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MINH D DAO whose telephone number is 703-305-5589. The examiner can normally be reached on 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, VIVIAN C CHIN can be reached on 703-308-6739. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Minh Dao  
Art Unit 2682  
November 23, 2004 *MD*

  
LEE NGUYEN  
PRIMARY EXAMINER